GRAY LEVEL HALFTONE PROCESSING

Abstract of the Disclosure

An image processing method and apparatus for generating a gray level

5   rendered pixel value that has been subjected to a halftoning process.   In the method and apparatus a gray level pixel value of the pixel to be rendered by the halftoning process is provided as one input to a lookup table.   A coordinate value that is determined from a pixel location in the image of the pixel to be rendered by the halftoning process is also provided as a second input to the lookup table.   The

10   first and second inputs represent an address in the lookup table of a rendered halftone value for halftone rendering of the pixel having the input gray value and the pixel location in the image.